## Abstract of the Disclosure

A rake receiver includes a radio receiving section, a first despreading section, a delay profile calculating section, a synchronization establishing and tracking section, a second despreading section and a demodulating section. The radio receiving section converts a received carrier signal into a spread baseband signal. The first despreading section calculates a correlation value signal from the spread 10 baseband signal using a predetermined spreading code. The delay profile calculating section has an infinite impulse response (IIR) filter section functioning as a low pass filter, and calculates a delay profile from the correlation value signal using the infinite 15 impulse response filter section. The synchronization establishing and tracking section detects phases of a selected path from the delay profile. The second despreading section despreads the baseband signal using the predetermined spreading code in response to 20 each of the selected path phases to produce a despread baseband signal. The demodulating section demodulates the despread baseband signal into a data.